

# From Problems to Projects



**Office of Program and Project Planning**

**AKA: Project Initiation Document Squad (PIDS)**

# Key Office Responsibilities

- Coordinate, resource, and develop guidance for Project Initiation Documents (PIDs)
- Caltrans Districts are responsible for completing and approving the PIDs



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# What is a PID?

- PIDs are the first formal step to develop a solution for a specific transportation problem
- Engineering document that refines the purpose and need of a proposed transportation project and provides a reliable scope, cost, and schedule
  - Need (transportation deficiency)
  - Purpose (objectives that will be met to address the transportation deficiency)
  - Preliminary analysis of alternatives that reduce transportation deficiencies and address the purpose and need

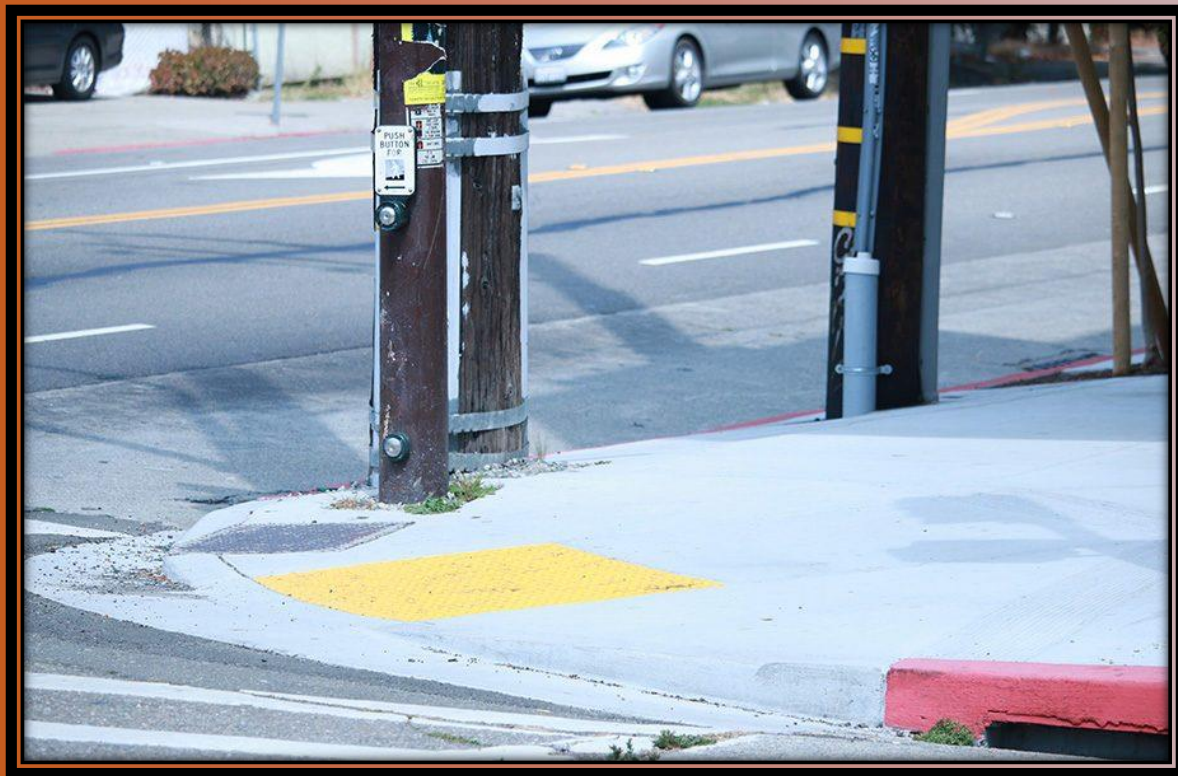




# Transportation Needs



# Transportation Needs





# Project Schedule and Cost

SHOPP Cycle		2014 SHOPP Cycle											
				2016 SHOPP Cycle									
								2018 SHOPP Cycle					
												2020 SHOPP Cycle	
Fiscal Year	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24		
2014 SHOPP Development	PIDs Due to Programming (July 2013) CTC Adoption (April 2014)	PAED and PS&E Phases Completed		Projects Programmed & Delivered									
2016 SHOPP Development	PID Development											PIDs Due to Programming (July 2015) CTC Adoption (April 2016)	PAED and PS&E Phases Completed
2018 SHOPP Development	BCP Development - FY 2015-17 PID Program Resources (March - June 2014)	Budget Process for FY 2015-17 BCP	PID Development		PIDs Due to Programming (July 2017) CTC Adoption (April 2018)							PAED and PS&E Phases Completed	
2020SHOPP Development			BCP Development - FY 2017-19 PID Program Resources (March - June 2016)	Budget Process for FY 2017-19 BCP	PID Development		PIDs Due to Programming (July 2019) CTC Adoption (April 2020)					PAED and PS&E Phases Completed	

# Purpose of a PID

- PIDs are used as a programming document and are required for all transportation projects over \$1 million
- PIDs ensure that feasible projects move forward into future phases of Project Delivery
- PIDs provide:
  - a sound basis for commitment of future funding; and
  - a key opportunity to achieve consensus on project scope, cost, and schedule
- Projects that are inadequately scoped can result in cost overruns, cost underruns, and project delays



# Why are PIDs needed?



Endangered Species Living in Project Area



# Why are PIDs needed?



Project includes  
work on a  
historic bridge

# Why are PIDs needed?



Railroads Located in Project Area



# What happens after a PID is Complete?

- It gets programmed in the State Highway Operation and Protection Program, Interregional Transportation Improvement Program or other Funding Program
- The Project then moves into the next phase (Environmental)





The background of the slide features a dynamic, slightly blurred image of numerous US dollar bills falling from the top. The bills are in various orientations, with some showing the portrait of George Washington (one-dollar bills) and others showing the portrait of Benjamin Franklin (one-hundred dollar bills). The overall effect is one of money being distributed or falling into place.

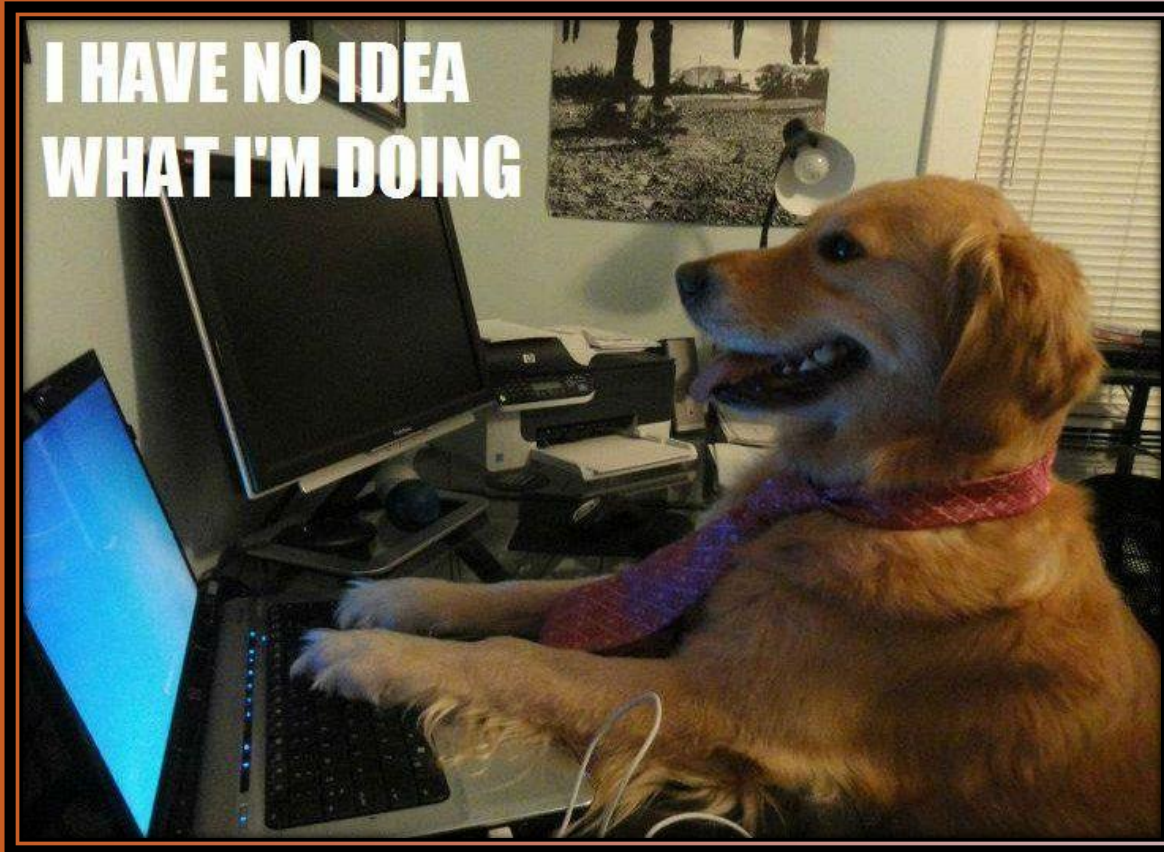
# •Senate Bill 1 and the PID Program

- \$15 Billion for state highway maintenance and rehabilitation
- \$4 Billion for highway bridge and culvert maintenance and rehabilitation
- \$3 Billion for high priority freight corridors
- \$2.5 Billion for congested corridor relief

# Other Office Responsibilities

- Report the performance of the PID Program to Legislators, Local and Regional Agencies, and other External Stakeholders
  - Maps, Data Analysis, etc.
- Develop monthly status reports on the PID Workload
- Develop funding requests for PID Development
- Manage and monitor expenditures for PID Development

# How to Write a PID



- Guidance for PID Development can be found in the Caltrans Project Development Procedures Manual (PDPD/Gold Book) - Chapter 9
  - Entire PDPM - <http://www.dot.ca.gov/hq/oppd/pdpm/pdpmn.htm>
  - Chapter 9- [http://www.dot.ca.gov/hq/oppd/pdpm/chap\\_pdf/chapt09.pdf](http://www.dot.ca.gov/hq/oppd/pdpm/chap_pdf/chapt09.pdf)



# PID Elements

- Federal Highway Administration Infrastructure Carbon Estimator Tool is used to analyze lifecycle GHG emissions for SHOPP projects during PID development when determined appropriate.
- Risk Management through use of a PID Risk Register.
  - The process concerned with planning for, identifying, analyzing, and responding to project risk.





# Questions?